

1. (currently amended) A compound press-forming apparatus including an upper die fixed to an elevated-side portion of a press machine that is moved up and down by an elevator, a lower die fixed to a fixed-side portion of the press machine, and working portions formed at respective corresponding portions of the upper and lower dies to conduct press working to a work jointly, comprising:

a side-face working apparatus that is disposed at a side of said lower die on the fixed-side portion of the press machine to conduct side-face press working to a side-face portion of the work jointly with the lower die,

wherein said side-face working apparatus comprises a rotating base that is supported on the fixed-side portion of the press machine so as to rotate thereon, a reciprocating base that is supported on said rotating base so as to reciprocate thereon, a side-face working portion that is formed at an end portion of said reciprocating base to conduct side-face press working to the side-face portion of the work jointly with said lower die, and reciprocating driving means for moving said reciprocating base with said side-face working portion from an original position, in which said side-face working portion is away from the work, to a side-face press working position, in which the side-face press working is conducted to the work by said side-face working portion, and

said side-face working apparatus is constituted such that it moves to an avoidance position, in which the side-face working apparatus is not in the way of the upper die going up and down, during said press working by the upper and lower dies, whereas it moves to a working capable position, in which said side-face press working is capable, after the upper die goes up, during said side-face press working by the side-face working portion and the lower die.

2. (previously presented) The compound press-forming apparatus of claim 1, wherein said side-face working apparatus is constituted so as to move between said avoidance position and said working capable position according to rotation of said rotating base of the side-face working apparatus.

3. (previously presented) The compound press-forming apparatus of claim 2, wherein said rotating base is supported on the fixed-side portion of the press machine through a bearing portion so as to rotate thereon, and comprises a driving apparatus that rotates said rotating base and a stopper that is disposed on the fixed-side portion of the press machine and supports said rotating base together with said bearing portion by making a top end thereof contact the rotating base, and said avoidance position of the side-face working apparatus is provided by rotating said rotating base to its inverted position, whereas said working capable position of the side-face working apparatus is provided by rotating said rotating base to its laid position in which the rotating base is put on said stopper.

4. (previously presented) The compound press-forming apparatus of claim 2, wherein said reciprocating driving means comprises a driving cam portion that includes a slant face disposed at a lower face of said upper die, a sliding cam-follower portion that is disposed at an upper face of said reciprocating base and constituted so as to slide by being pushed by said slant face of said driving cam portion when said upper die goes down according to the press machine's operation, and returning means that urges said reciprocating base to return from said side-face press working position to said original position on said rotating base and is constituted of a spring.

5. (original) The compound press-forming apparatus of claim 2, wherein said work to be conducted by the press working is a door inner panel for vehicles, steps of drawing and excising are conducted to a flat portion of said door inner panel by said press working of the upper and lower dies, whereas a step of excising is conducted to a side-face portion of the door inner panel by said side-face press working of the side-face working apparatus and the lower die.

6. (original) The compound press-forming apparatus of claim 5, wherein said side-face working apparatus is constituted so as to be disposed at least at three positions around said lower die to conduct press working to at least three side-face portions of said door inner panel, which are located at the sides of vehicle front, rear and lower, respectively.

7 – 15. (cancelled)

16. (new) A compound press-forming apparatus including an upper die fixed to an elevated-side portion of a press machine that is moved up and down by an elevator, a lower die fixed to a fixed-side portion of the press machine, and working portions formed at respective corresponding portions of the upper and lower dies to conduct press working to a work jointly, comprising:

a side-face working apparatus that is disposed at a side of said lower die on the fixed-side portion of the press machine to conduct side-face press working to a side-face portion of the work jointly with the lower die,

wherein said side-face working apparatus comprises a rotating base that is supported on the fixed-side portion of the press machine so as to rotate thereon, a side-face working portion that is formed to conduct side-face press working to the side-face portion of the work jointly with said lower die, and driving means for moving said side-face working portion from an original position, in which said side-face working portion is away from the work, to a side-face press working position, in which the side-face press working is conducted to the work by said side-face working portion, and

said side-face working apparatus is constituted such that it moves to an avoidance position, in which the side-face working apparatus is not in the way of the upper die going up and down, during said press working by the upper and lower dies, whereas it moves to a working capable position, in which said side-face press working is capable, after the upper die goes up, during said side-face press working by the side-face working portion and the lower die.

17. (new) A compound press-forming apparatus including an upper die fixed to an elevated-side portion of a press machine that is moved up and down by an elevator, a lower die fixed to a fixed-side portion of the press machine, and working portions formed at respective corresponding portions of the upper and lower dies to conduct press working to a work jointly, comprising:

a side-face working apparatus that is disposed at a side of said lower die on the fixed-side portion of the press machine to conduct side-face press working to a side-face portion of the work jointly with the lower die,

wherein said side-face working apparatus comprises a rotating base that is supported on the fixed-side portion of the press machine so as to rotate thereon, a side-face working portion that is formed to conduct side-face press working to the side-face portion of the work jointly with said lower die, and oil-pressure driving means for moving said side-face working portion from an original position, in which said side-face working portion is away from the work, to a side-face press working position, in which the side-face press working is conducted to the work by said side-face working portion, and

said side-face working apparatus is constituted such that it moves to an avoidance position, in which the side-face working apparatus is not in the way of the upper die going up and down, during said press working by the upper and lower dies, whereas it moves to a working capable position, in which said side-face press working is capable, after the upper die goes up, during said side-face press working by the side-face working portion and the lower die.

18. (new) The compound press-forming apparatus of claim 17, wherein said side-face working apparatus is constituted so as to move between said avoidance position and said working capable position according to rotation of said rotating base of the side-face working apparatus.

19. (new) The compound press-forming apparatus of claim 18, wherein said rotating base is supported on the fixed-side portion of the press machine through a bearing portion so as to rotate thereon, and comprises a driving apparatus that rotates said rotating base and a stopper that is disposed on the fixed-side portion of the press machine and supports said rotating base together with said bearing portion by making a top end thereof contact the rotating base, and said avoidance position of the side-face working apparatus is provided by rotating said rotating base to its inverted position, whereas said working capable position of the side-face working apparatus is provided by rotating said rotating base to its laid position in which the rotating base is put on said stopper.

20. (new) The compound press-forming apparatus of claim 18, wherein said oil pressure driving means comprises a piston driving portion that is driven by oil pressure, a piston that is provided with said side-face working portion at an end thereof, and an oil pressure controller that controls oil pressure supplied to said piston driving portion.

21. (new) The compound press-forming apparatus of claim 18, wherein said side-face working apparatus further comprises a reciprocating base that is supported on said rotating base so as to reciprocate thereon and provided with said working portion at an end thereof, and said oil-pressure driving means comprises a piston driving portion that is driven by oil pressure, a piston rod having one end coupled to the piston driving portion and another end coupled to said reciprocating base, and an oil pressure controller that controls oil pressure supplied to said piston driving portion.

22. (new) The compound press-forming apparatus of claim 18, wherein said work to be conducted by the press working is a door inner panel for vehicles, steps of drawing and excising are conducted to a flat portion of said door inner panel by said press working of the upper and lower dies, whereas a step of excising is conducted to a side-face portion

of the door inner panel by said side-face press working of the side-face working apparatus and the lower die.

23. (new) The compound press-forming apparatus of claim 22, wherein said side-face working apparatus is constituted so as to be disposed at least at three positions around said lower die to conduct press working to at least three side-face portions of said door inner panel, which are located at the sides of vehicle front, rear and lower, respectively.